Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-67. (Canceled).

68. (Currently amended) A method for determining whether a subject is at risk for Attention Deficit Hyperactivity Disorder (ADHD), comprising:

determining for each of genes TPH, PNMT, ADOA2A, NOS3, and NAT1, whether the subject comprises a wild-type or non-wild type allele of said gene, wherein the presence of ~~a~~ at least two non-wild type alleles selected from the group consisting of *TPH* SNP A 779C, *PNMT* SNP G-148A, *ADOA2A* SNP C108T *Rsa*I, and *NAT1* T1088A ~~of at least one of said genes~~ indicates that the subject is at risk for ADHD.

69. Canceled.

70. (Currently amended) The method of claim [[69]] 68, wherein an increase in the number of said non-wild type alleles indicates an increased risk of ADHD.

71. (Currently amended) The method of claim [[69]] 68, wherein an increase in the number of said non-wild type alleles indicates an increase in the severity of ADHD.

72-73. Canceled.

74. (New) The method of claim 68, wherein the presence of at least three non-wild type alleles selected from the group consisting of *TPH* SNP A 779C, *PNMT* SNP G-148A, *ADOA2A* SNP C108T *Rsa*I, and *NAT1* T1088A indicates that the subject is at risk for ADHD.

75. (New) The method of claim 68, wherein the presence of at least four non-wild type alleles selected from the group consisting of *TPH* SNP A 779C, *PNMT* SNP G-148A, *ADOA2A* SNP, C108T *Rsa*I, and *NAT1* T1088A indicates that the subject is at risk for ADHD.